

Heart References

1. Apple FS, Panteghini M, Ravkilde J, Mair J, Wu AHB, Tate J, Pagani F, Christenson RH, Jaffe AS, Committee on standardization of markers of cardiac damage of the IFCC: Quality specifications for B-type natriuretic peptide assays. *Clinical Chemistry* 51: 486-493, 2005
2. Apple FS, Wu AHB, Mair J, Ravkilde J, Panteghini M, Tate J, Pagani F, Christenson RH, Mockel M, Danne O, Jaffe AS, Committee on standardization of markers of cardiac damage of the IFCC: Future biomarkers for detection of ischemia and risk stratification in acute coronary syndrome. *Clinical Chemistry* 51: 810-824, 2005
3. Badea CT, Bucholz E, Hedlund LW, Rockman HA, Johnson GA: Imaging methods for morphological and functional phenotyping of the rodent heart. *Tox Path* 34: 111-117, 2006
4. Badea CT, Fuhara B, Hedlund LW, Johnson GA: 4-D Micro-CT of the Mouse Heart. *Molecular Imaging* 4: 110-116, 2005
5. Ballinger SW, Patterson C, Knight-Lozano CA, Burrow DL, Conklin cA, Hu Z, Reuf J, Horaiist C, Lebovitz R, Hunter GC, McIntyre K, Runge MS: Mitochondria integrity and function in atherogenesis. *Circulation* 106: 544-549, 2002
6. Bishop JB, Tani Y, Witt K, Johnson JA, Peddada S, Dunnick JK, Nyska A: Mitochondria damage revealed by morphometric and semiquantitative analysis of mouse pup cardiomyocytes following in utero and postnatal exposure to Zidovudine and Lamivudine. *Tox Sci* 81: 512-517, 2004
7. Blaxall BC, Spang R, Rockman HA, Koch WJ: Differential myocardial gene expression in the development and rescue of murine heart failure. *Physiol Genomics* 15: 105-114, 2003
8. Chan SSL, Santos JH, Meyer JN, Mandavilli BS, Cook DL, Jr., McCash CL, Kissling GE, Nyska A, Foley JF, van Houten B, Copeland WC, Walker VE, Witt KL, Bishop JB: Mitochondrial Toxicity in hearts of CD-1 mice following perinatal exposure to AZT, 3TC, AZT/3TC in combination. *Env Mol Mutagen* 47: in press, 2006
9. Dunnick J, Johnson J, Horton J, Nyska A: Bis(2-chloroethoxy)methane-induced mitochondrial and myofibrillar damage: short-term time-course study. *Toxicological Sciences* 81: 243-252, 2004
10. Dunnick JK, Blackshear P, Kissling G, Cunningham M, Nyska A: Critical Pathways in heart function:bis(2-chloroethoxy)methane-induced gene transcript change in F344 Rats. *Tox Path* 34: 1-9, 2006
11. Hata JA, Williams ML, Schroder JN, Lima B, Keys JR, Blaxall BC, Petrofski JA, Jakoi A, Milano CA, Koch WJ: Lymphocyte levels of GRK2 (β ARK1) mirror changes in the LVAD-supported failing human heart: lower GRK2 associated with improved β -adrenergic signaling after mechanical unloading. *Journal of Cardiac Failure* 12: 360-368, 2006
12. Howden R, Hanlon PR, Petranka JG, Kleeberger S, Bucher J, Dunnick J, Nyska A, Murphy E: Ephedrine plus caffeine causes age-dependent cardiovascular responses in Fischer 344 rats. *Am J Physiol Heart Circ Physiol* 288: H2219-H2224, 2005
13. Jaffe AS, Babuin L, Apple FS: Biomarkers in acute cardiac disease. *J Am Coll Cardiol* 48: 1-11, 2006

14. Kim N, Lee Y, Kim H, Joo H, Youm JB, Park WS, Warda M, Cuong DV, Han J: Potential biomarkers for ischemic heart damage identified in mitochondrial proteins by comparative proteomics. *Proteomics* 6: 1-12, 2006
15. Kittleson MM, Hare JM: Molecular signature analysis: using the myocardial transcriptome as a biomarker in cardiovascular disease. *Trends Cardiovasc Med* 15: 130-138, 2005
16. Maisel AS, Bhalla V, Braunwald E: Cardiac biomarkers: a contemporary status report. *Nature* 3: 24-34, 2006
17. McDonough JL, Van Eyk JE: Developing the next generation of cardiac markers: disease-induced modifications of Troponin I. *Progress in Cardiovascular Diseases* 47: 207-216, 2004
18. Mills E, Kuhn CM, Feinglos MN, Surwit R: Hypertension in CB57BL/6J mouse model of non-insulin-dependent diabetes mellitus. *Am J Physiol* 264: R73-R78, 1993
19. Nyska A, Murphy E, Foley JF, Collins BJ, Petranka J, Howder R, Hanlon P, Dunnick JK: Acute hemorrhagic myocardial necrosis and sudden death of rats exposed to a combination of ephedrine and caffeine. *Tox Sci* 83: 388-396, 2005
20. Steenman M, Lamirault G, Le Meur N, Leger JJ: Gene expression profiling in human cardiovascular disease. *Clin Chem Lab Med* 43: 696-701, 2005
21. Tabibiazar R, Wagner RA, Deng A, Tsao P, Quertermous T: Proteomic profiles of serum inflammatory markers accurately predict atherosclerosis in mice. *Physiol Genomics* 25: 194-202, 2006
22. Wallace KB, Hausner E, Herman E, Holt GD, MacGregor JT, Metz AL, Murphy E, Rosenblum IY, Sistare FD, York MJ: Serum troponins as biomarkers of drug-induced cardiac toxicity. *Toxicologic Pathology* 32: 106-121, 2004
23. Yamamoto S, Tsyplenkova VG, James TN: Cardiology grand rounds from the University of Texas Medical Branch: morphological patterns of death by myocytes in arrhythmogenic right ventricular dysplasia. *Am J Med Sci* 320: 310-319, 2000
24. Yang Z, Knight CA, Mamerow MM, Vickers K, Penn A, Postlethwait EM, Ballinger SW: Prenatal environmental tobacco smoke exposure promotes adult atherogenesis and mitochondria damage in apolipoprotein E-/- mice fed a chow diet. *Circulation* 110: 3715-3720, 2004
25. Zhang J, Herman EH, Robertson DG, Reily MD, Knapton A, Ratajczak H, Rifaai N, Haonchel R, Blanchard KT, Stoll R, Sistare FD: Mechanisms and biomarkers of cardiovascular injury induced by phosphodiesterase inhibitor III SK&F 95654 in the spontaneously hypertensive rat. *Tox Path* 34: 152-163, 2006